MEIN

APPLICATION OF OUR PRODUCTS IN QUARRIES AND MINING

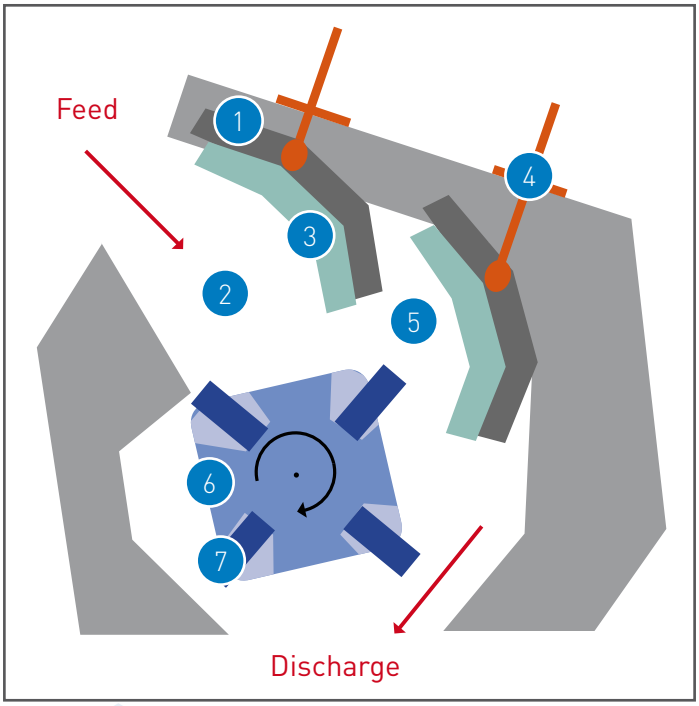
Blow Bars:

For over 40 years, MEIN has been producing bars of all types for the main installations producers worldwide.

This is done according to the characteristics of the quarry's raw material in terms of initial size, hardness, abrasion, reduction level, etc.

We define the composition of the material used for the bars which offers the maximum productivity and potential resistance, and recommend this to the customer:

a) White castings in Cr/Mo
b) Martensitic Steels
c) Manganese Steels



1. Impact Curtain
2. First crushing chamber
3. Replaceable wear lining
4. Impact curtain adjusting rods
5. Second crushing chamber
6. Rotor
7. Rotor tip (Blow bar)

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Martensitic steel

Application:

HSI Crushers
- Blow Bars
- Impact Plates
- Side Liners

HAMMER MILL
- Primary/Primario
- Secondary/Secundario
- Clinker/Clinker

Hardness: 55-56HRc
Maximum dimensions: up to 1800mm
Maximum weight: up to 800Kg

Technical Specifications:

Steel specially developed for markets where resistance to abrasion is of vital importance with a very low breakage risk. Our bars offer the lowest breakage risk on the market.

Main benefits:

- Useful life of the component 20% higher than other non-metallic materials.
- Minimum breakage risk.
- Very low cost per tonne produced.
- Maximum productivity from crushers.

Wear-resistant Steels and Castings

Name	Basic chemical composition							Properties	Equivalents
	%C	%Mn	%Ni	%Cr	%Mo	V	S		
GX-280 Cr Mo Ni 20.2.1	2,80	0,80	0,90	20,00	2,00			>60 HRc	ASTM A532 CL II E
GX-340 Cr Mo 27.2	3,40	0,80		28,00	2,00			>62 HRc	
GX-300 Cr 13	3,00	0,60		13,00				>45 HRc	ASTM A532 CL II A
GX-200 Cr 13	1,80	0,30		13,00				>58 HRc	
GX-165 Cr Mo V 12	1,65	0,30		13,00	1,00	0,25		>58 HRc	
GX-300 Ni Cr 4.2	3,00	0,60	4,00	2,00				>54 HRc	ASTM A532 CL I A, B, C
GX-300 Cr Ni Si 9.5.2.	3,00	0,60	6,00	8,00			<=2,00	>58 HRc	ASTM A532 CL I D
Selfhardenng	0,35	0,60	4,00	1,30	0,40			>50 HRc	
Cr-Mo Steel	0,40	0,70	0,80	3,00	0,50			>48 HRc	
GX 260 Cr 27	2,60			27				>55 HRc	ASTM A-532-CL III A

Manganese Steels

Name	Basic chemical composition					Properties	Equivalents
	%C	%Mn	%Ni	%Cr	%Mo		
GX-120 Mn 12	1,20	12,00				x x	ASTM A128 Grade A
GX-100 Mn 12	1,00	12,00				x x	ASTM A128 Grade B1
GX-120 Mn Cr 12.2	1,30	13,00		2,00			ASTM A128 Grade C
GX-120 Mn Mo 12.1	1,20	12,00			1,00		ASTM A128 Grade E1
GX 120 Mn Cr Mo 7.1.1	1,20	8		1	1	R>70 Kg/mm^2	
GX 150 Mn Cr 18-3	1,50	19		3		R>70 Kg/mm^2	

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Martensitic steel

Name	Basic chemical composition								Properties
	C	Si	Mn	S	P	Ni	Cr	Mo	
GX50Cr5-Mo0,4	0,45-0,55	0,9-1	0,6-1	max 0,02	max 0,03	0,3-0,4	4,5-5,5	0,8-0,9	470-500HB
GX45Cr3-Mo0,4	0,42-0,52	0,3-0,6	0,6-1	max 0,02	max 0,03	...	11,5-14	0,4	
GX50CR5Mo0,4Ni0,2	0,45-0,55	0,3-0,6	0,6-1	max 0,02	max 0,03	0,1-0,2	4,5-5,5	0,3-0,5	
GX20Cr10	0,18-0,22	0,4-0,5	0,7-1	max 0,02	max 0,03	...	41586	...	